

DEPARTMENT OF FASHION TECHNOLOGY AND COSTUME DESIGNING

COURSE STRUCTURE & SYLLABI
(For the students admitted from year 2023-2024 onwards)

Programme: B.Sc. Fashion Technology and Costume Designing



JAMAL MOHAMED COLLEGE (AUTONOMOUS)
Accredited with A++ Grade by NAAC (4th Cycle) with CGPA 3.69 out of 4.0
(Affiliated to Bharathidasan University)
TIRUCHIRAPPALLI – 620 020

B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/Week	Credit	Marks		Total
							CIA	ESE	
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UFT1CC1	III	Core - I	Fashion Designing	4	4	25	75	100
	23UFT1CC2P		Core - II	Fashion Sketching Techniques - Practical	5	5	20	80	100
	23UFT1AC1		Allied - I	Textile Science	4	3	25	75	100
	23UFT1AC2		Allied - II	Knitting	3	2	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
Total					30	22			700
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UFT2CC3	III	Core - III	Basic Garment Construction	3	3	25	75	100
	23UFT2CC4P		Core - IV	Basic Garment Construction - Practical	5	5	20	80	100
	23UFT2AC3		Allied - III	Fabric Structure and Design	4	3	25	75	100
	23UFT2AC4P		Allied - IV	Fabric Structure and Design - Practical	4	3	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-	
Total					30	22			700
@Only grades will be given									
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	English for Communication - III	6	3	25	75	100
	23UFT3CC5	III	Core - V	Garment Manufacturing Technology	3	3	25	75	100
	23UFT3CC6P		Core - VI	Fashion Draping - Practical	4	4	20	80	100
	23UFT3AC5		Allied - V	Wet Processing	4	4	25	75	100
	23UFT3AC6P		Allied - VI	Wet Processing - Practical	3	2	20	80	100
	23UFT3GE1P	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
Total					30	23			800
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Communication - IV	6	3	25	75	100
	23UFT4CC7	III	Core - VII	Heritage of Textiles and Costumes	3	3	25	75	100
	23UFT4CC8P		Core - VIII	Garment Construction for Children's Wear - Practical	5	5	20	80	100
	23UFT4AC7		Allied - VII	Textile Testing	4	4	25	75	100
	23UFT4AC8P		Allied - VIII	Textile Testing - Practical	4	3	20	80	100
	23UFT4GE2P	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-	
Total					30	26			800
V	23UFT5CC9	III	Core - IX	Fashion Clothing and Psychology	5	5	25	75	100
	23UFT5CC10P		Core - X	Computer Aided Designing - Practical	5	5	20	80	100
	23UFT5CC11P		Core - XI	Garment Construction for Women's Wear - Practical	6	6	20	80	100
	23UFT5CC12P		Core - XII	Fashion Portfolio Presentation - Practical	5	5	20	80	100
	23UFT5DE1AP/BP		Discipline Specific Electives - I		5	5	20	80	100
	23UFT5SE1	IV	Skill Enhancement Course - I	Visual Merchandising and Boutique Management	2	1	-	100	100
	23UFT5SE2		Skill Enhancement Course - II	Fashion Merchandising and Management	2	1	-	100	100
23UFT5EC1		Extra Credit Course - I [†]	Online Course	-	*	-	-	-	
Total					30	28			700
VI	23UFT6CC13	III	Core - XIII	Fundamentals of Technical Textiles	5	5	25	75	100
	23UFT6CC14P		Core - XIV	Fashion Photography - Practical	6	6	20	80	100
	23UFT6CC15P		Core - XV	Garment Construction for Men's Wear - Practical	6	6	20	80	100
	23UFT6PW		Project Work	Project Work	3	2	-	100	100
	23UFT6DE2AP/BP		Discipline Specific Electives - II		5	4	20	80	100
	23UFT6DE3A/B		Discipline Specific Electives - III		4	3	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UFT6EC2		Extra Credit Course - II [*]	Online Course	-	*	-	-	-
23UFT6ECA		Extra Credit Course for all ^{**}	Online Course	-	**	-	-	-	
Total					30	27			700
* Programme Specific Online Course for Advanced Learners									
** Any Online Course for Enhancing Additional Skills									
Grand Total						148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UFT3GE1P	Hand Embroidery - Practical
IV	23UFT4GE2P	Art Techniques - Practical

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UFT5DE1AP	Surface Ornamentation - Practical - I
	23UFT5DE1BP	Accessories Making- Practical - I
VI	23UFT6DE2AP	Surface Ornamentation - Practical - II
	23UFT6DE2BP	Accessories Making - Practical - II
	23UFT6DE3A	Garment Quality and Cost Control
	23UFT6DE3B	Home Science

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UFT1CC1	Core – I	4	4	25	75	100
Course Title		Fashion Designing					

SYLLABUS		
Unit	Contents	Hours
I	Introduction of fashion design Introduction to fashion design- Meaning of Fashion, Design and Style. Design Process *Collection range* Fashion terms -Haute couture, Avant garde, Pret- a-Porter, Chic, Fad, and Classic.	12
II	Elements and principles of design Design-Definition, types-Structural and Decorative Design, Principles of design- Balance, Rhythm, Proportion, Harmony and Emphasis. Art elements - Line, Shape or Forms, Color, Size, and Texture. Principle of , *Application of elements and principles in garment*	12
III	Color Theory Colors – *Importance of color*. Color Theories-Prang Color System and Munsell Color System. Color Harmony- Related, Contrasting, Neutral. Dimensions of Color– Hue, Value, Intensity. Color Psychology.	12
IV	Figure Variations Garment Designing for Irregular figure types – Tall and Thin Figure, Tall and Stout Figure, Short and Stout Figure, Short and Thin Figure, Large Chest, Flat Chest, Large hip Shoulder - Narrow, Round, Broad. Face – Round, *Oval and Square*.	12
V	Wardrobe Planning Wardrobe - Definition, Wardrobe Planning – Purpose of a wardrobe plan, Clothing preference for different age groups, Clothing budget – Steps for planning wardrobe – Essential considerations in wardrobe planning. *Wardrobe planning for different occasion's*.	12
VI	Current Trends (For CIA only) -Recent Trend in Fashion, Style, Colour	

..... Self Study

Text Book(s):
1. Anitha Tyagi, “Hand Book of Fashion Technology”, Sonali Publication, New Delhi, 1 st Edition, 2012. 2. Jenny Davis, “A Complete Guide to Fashion Designing”, Abhishek publication, 1 st Edition, 2009. 3. Meenakshi Narang, “Fashion Technology Hand Book”, Asia Pacific Business Press Inc, New Delhi, 2 nd Edition, 2008.
Reference Book(s):
1. Betsy Hosegood, “The Complete Book of Sewing”, Dorling Kindersley Limited, London, 2 nd Edition 2006. 2. Judith Rasband, “Wardrobe Strategies for Women”, Delmar Publishers, London 1 st Edition 1995. 3. Susheela Dantyagi, “Fundamental of Textiles and Their Care”, Orient Longman Limited, New Delhi, 5 th Edition, 2006.
Web Resource(s):
1. https://codevgu.in/wp-content/uploads/2021/05/fashion-designing-and-sewing-technology.pdf 2. https://www.elearningcollege.com/materials/1521643260Fashion%20Course.pdf 3. https://gcwgandhinagar.com/econtent/document/1587358837UNIT%203,4,5.pdf

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the concepts of Fashion, Design and its style	K1
CO2	Understand the elements and principles of design	K2
CO3	Apply the concept of color theories	K3
CO4	Analyze and classify about the figure irregularities	K4
CO5	Evaluate the wardrobe plan	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	1	1	3	1	3	1	2	3	3	2.1
CO2	3	3	2	2	2	3	1	2	3	3	2.4
CO3	3	3	3	3	1	3	2	1	3	3	2.5
CO4	3	2	3	1	1	3	1	1	3	3	2.1
CO5	3	1	1	3	1	3	3	2	3	3	2.3
Mean Overall Score											2.3
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: C. Manochitra

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UFT1CC2P	Core – II	5	5	20	80	100
Course Title Fashion Sketching Techniques - Practical							

SYLLABUS		
Unit	Contents	Hours
I	Basic Techniques and Facial Features Free hand drawing, Basics of shading and Hatching Facial features- Eyes ,Nose, Ears, Lips, Legs, Hands and Hair styles	15
II	Basic Human Proportions 8,10,12 head theory and motion posture, standing and moving action	15
III	Style Manipulation in Garment Sleeves collars Cuffs necklines Pockets Yokes	15
IV	Illustration of Garment and Accessories using Design Techniques Structural Design- Belt, Bow, Hand bags Decorative Design- Jewellery, Hats, Shoes Art Elements -Line, Colors, Texture, Shape, Size Principles of Design-Balance, Harmony, Emphasis, Proportion, Rhythm	15
V	Rendering for Apparels Children’s Wear Women’s Wear Men’s Wear	15

Text Book(s):
<ol style="list-style-type: none"> Patrick John Ireland, “Fashion illustration and presentation”, Manmeetsodhia, Kalyani publication, 1ST Edition, 2008. Patrick John Ireland, “Fashion Design Illustration for children’s wear” vol-1 Batsford Ltd publisher, 1995. Bina Abling, “Advanced Fashion Sketch Book” Om Books international, New Delhi, 2nd edition, 2005.
Reference Book(s):
<ol style="list-style-type: none"> Bina abling, “Advanced Fashion sketch book”, Om Books international, New Delhi, 2nd edition, 2007 The book master, “A Complete course to Sketching and shading” DS Publishers, India ,1st edition, 2014 Patrick John Ireland, “Fashion Design Illustration: Men,” Om books international, New Delhi, 2nd edition, 2005
Web Resource(s):
https://www.freepik.com https://rapidfireart.com/2013/05/08/how-to-draw-eyes/ https://www.istockphoto.com/illustrations/hairstyle

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the basic knowledge about hatching and shading	K1
CO2	Understand the human body in proportions relevant to fashion illustration	K2
CO3	Apply the elements of art and principles of design using garment designs	K3
CO4	Analyze the manipulating design in apparel using colour harmony	K4
CO5	Evaluate sketching methods of different accessories and ornaments	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	1	3	2	2	1	3	3	3	2.4
CO2	3	3	1	3	2	2	1	3	3	3	2.4
CO3	3	3	1	3	2	2	1	3	3	3	2.4
CO4	3	3	1	3	3	2	1	3	3	3	2.5
CO5	3	3	1	3	3	2	1	3	3	3	2.5
Mean Overall Score											2.4
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: R. Jeevitha

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UFT1AC1	Allied – I	4	3	25	75	100
Course Title		Textile Science					

SYLLABUS		
Unit	Contents	Hours
I	Fibres Fibres – Definition, Classification – Natural, Semi Synthetic, Synthetic. General Properties of Fibres – Primary and *Secondary Properties*.	10
II	Fibre Manufacturing Process Manufacturing Process, – Natural Fibre - Cotton, Jute, Silk, and Wool. Synthetic Fibre – Polyester. Semi Synthetic Fibre – Viscose rayon. * Properties and Uses of Fibres*	14
III	Spinning and Yarn Manufacturing Process Spinning - Definition, Types of Spinning – Mechanical Spinning –Ring, Chemical Spinning. Yarn – Definition, Classification – Simple and *Fancy Yarns*. Twist and Its Types.	12
IV	Fabrication methods Weaving – Definition, *classification*, Parts and Functions of Basic Loom. Knitting -Definition, Classifications, Parts and functions of a basic knitting machine.	14
V	Non-Woven Nonwoven-Definition – Types- felting, fusing, bonding, lamination, netting, braiding, crocheting, bonding techniques *Uses of Nonwoven*.	10
..... Self Study		
Text Book(s):		
1. Corbman .B.P, “Textile – Fiber to Fabric” International Students Edition, McGraw Hill Book Co, Singapore, 3 rd Edition, 1985. 2. Gupta et al, “Text Book of Clothing and Textiles and Laundry”, 5th Edition, Kalyani Publishers, New Delhi, 2006. 3. J.Gordon Cook, “Hand Book of Textile Fibers Vol-II Manmade Fibers”, Wood Head Publishing, NewDelhi, 2015.		
Reference Book(s):		
1. Seema Sekhri, “Textbook of fabric science, Fundamentals to Finishing”, PHI learning publishing New delhi, 2 nd edition 2016 2. Deepali Rastogi, Sheetal Chopra, “Textile Science”, Orient Blackswan Pvt ltd New Delhi, 1 st edition 2017. 3. Sohel Rana, Raul Fanguero, “Fibrous and Textile Materials for Composite Applications”, Springer publications Portugal, 2016. 4. Robert R. Maher, Robert H. Wardman, “The Chemistry of Textile fibers”, The Royal Society of chemistry publications, Cambridge, 2 nd Edition,2015.		
Web Resource(s):		
1. https://www.academia.edu/36704661/Unit_1_CLASSIFICATION_OF_FIBRES_pdf 2. https://www.britannica.com/technology/man-made-fiber/Processing-and-fabrication 3. https://textilelearner.net/basic-parts-of-a-weaving-loom/ 4. https://gwcgandhinagar.com/econtent/document/15874492071HSCTCO203-%20knitting%20and%20classification%20of%20knits%20.pdf		

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the types of fibres	K1
CO2	Understand the different fibre manufacturing techniques	K2
CO3	Applying the different fibres for weaving and knitting	K3
CO4	Analyze the functions of weaving and knitting machine	K4
CO5	Evaluating the types of nonwovens	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	1	3	2	1	1	3	1	1	1	1.5
CO2	2	2	2	1	1	1	3	1	1	1	1.5
CO3	2	1	1	2	1	1	3	1	1	1	1.4
CO4	2	2	2	2	2	1	2	1	2	1	1.7
CO5	2	2	2	2	2	1	2	1	1	1	1.6
Mean Overall Score											1.5
Correlation											Low

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Merlin Sharmi.G

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UFT1AC2	Allied - II	3	2	25	75	100
Course Title		Knitting					

SYLLABUS		
Unit	Contents	Hours
I	Introduction Knitting – Definition, Classification. History of Knitting, Comparison between - knitting and weaving – knitted and woven fabrics. * Characteristics of Knitted Goods *.	8
II	Knitting Terms and Elements General terms of knitting – course, Wales, loop-knit, miss, tuck stitch- *stitch density*. Elements of Knitting – loop structure- needle loop, sinker loop, face loop, back loop-needle. Machine gauge.	8
III	Machine Description Machine description – frame – drive – needles – * loop forming sequence of latch, spring bearded, compound needles* – sinkers - sinkers operation- cylinder – dial – cams- creels – feeders- fabric spreader – take down and winding mechanism.	11
IV	Weft Knitting *Classification* – Passage of yarn through single jersey circular weft knitting machine. Basic structure and properties weft knit structures – single jersey or plain – rib – interlock – purl.	9
V	Warp Knitting *Classification* – Passage of yarn through warp knitting machine. Basic structure and properties warp knit structures – Tricot, Raschel Simplex fabrics.	9

* * Self Study

Text Book(s):
1. Spencer.D.J, “Knitting Technology a comprehensive hand book and practical guide”, Pergeman Press UK, 2011. 2. Anbumani.N, “Knitting fundamentals, Machines, Structures and Developments”, New age International (P) ltd, New Delhi, 2010. 3. Ajgaonker D B, “Knitting Technology”, Universal Publishing Corporation, 1998.
Reference Book(s):
1. Terry Brackenbury, “Knitted Clothing Technology”, Willy Publications, Germany,1992 2. Smirfitt, “An Introduction to Weft Knitting”, Merrow Publications, UK,1975 3. Cegiela L, “The Knitting Industry: Present needs, Future Requirements”, Vol 19, No.1, The Textile Institute 1988.
Web Resource(s):
1. https://gcwgandhinagar.com/econtent/document/15874492071HSCTCO203-%20knitting%20and%20classification%20of%20knits%20.pdf 2. https://www.coursehero.com/file/65487819/Lecture-Notes-Topic-4-Knittingpdf/ 3. https://www.studocu.com/row/document/bgmea-university-of-fashion-and-technology/knitwear/warp-knitting-2-lecture-notes-3/14083871

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the concepts of Knitting.	K1
CO2	Understand the elements of knitting.	K2
CO3	Apply the types of knits.	K3
CO4	Analyze the parts and function of knitting machine.	K4
CO5	Evaluate the warp knit structures.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of CO5
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	1	1	1	1	3	3	2	2	1	1.8
CO2	3	1	1	1	1	2	3	2	2	1	1.8
CO3	3	1	1	1	1	2	3	2	3	1	1.8
CO4	3	1	2	1	1	2	3	2	2	1	1.8
CO5	3	1	2	1	1	2	3	2	2	1	1.8
Mean Overall score											1.8
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: B.Jabeen

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
I	23UCN1AE1	AECC - I	2	2	-	100	100
Course Title		Value Education for Women					

SYLLABUS		
Unit	Contents	Hours
I	VALUES IN LIFE: Purpose and philosophy of life – Need for values –five fold moral culture - Imbibing values: truth, loyalty, integrity, humility, trustworthy, considerate, not being greedy, clean habits, punctuality, kindness, gratitude, patience, respect and character building.	6
II	FAMILY: Nuclear – cluster – significance - social functions - changing trend - role of women in family - obedient daughter - purposeful youth- dedicated wife - caring mother.	6
III	PUBERTY: Need of knowledge of menstruation- menstrual symptoms – handling – menstrual disorder - maintaining good personal hygiene - motherhood- Stages of pregnancy- post pregnancy care.	6
IV	MARRIAGE: Types of marriage - purpose of marriage- love and infatuation – need for marital preparation - pre and post marital counselling - conflicts in marital life - divorce single parenthood.	6
V	HARMONY WITH SPOUSE: Husband and wife relationship - fidelity towards spouse-relationship among the family members. Tenets of bride for healthy family – kindness, respect, patience, care, love.	6

Hours of Teaching: 5 hours and Hours of Activity: 25 hours

Textbook(s):
1. Value Education for health, Happiness and harmony, the world community service centre, Vethathri Publications 2. N. Venkataiah, Value Education, APH Publishing Corporation, New Delhi, 1998 3. Betty, Carten and Meg Goldric, The Changing family life style - A Framework for Family Therapy, 2 nd Edition, 2000. 4. Marie, Madearentas, Family Life Education, CREST-Centre for research education service training for family promotion, Bangalore, 1999.
Web References:
1. https://www.slideshare.net/humandakakayilongranger/values-education-35866000 2. https://www.ananda.org/blog/5-secrets-to-a-harmonious-marriage/ 3. https://www.nap.edu/read/2225/chapter/14

Activity:

- Assignment on Values (not less than 20 Pages)
- Multiple Choice Questions and Quiz
- Elocution - (Manners and good Habits for 3 to 5 minutes)
- Field Visit
- Debating - Current issues
- Essay writing: Proper use of e-gadgets, Ethics, Cyber ethics, Social media, etc.,
- Case Study / Album Making / Poster Presentation / Documentary- Celebrating National Days, Drug abuse & illicit trafficking, Independence Day, Secularism, Teachers Day, National Youth Awakening Day, Father's Day / Mother's Day and etc.,

EVALUATION COMPONENT: TOTAL: 100 MARKS**Component I:**

Documentary (or) Poster Presentation (or) Elocution - 25 marks

Component II:

Quiz (or) Multiple choice questions Test - 25 marks

Component III:

Album Making (or) Case Study on a topic (or) Field visit - 25 marks

Component IV:

Assignment (or) Essay Writing (or) Debating - 25 marks

Course Coordinator: Dr. M. Purushothaman

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UFT2CC3	Core - III	3	3	25	75	100
Course Title		Basic Garment Construction					

SYLLABUS.		
Unit	Contents	Hours
I	Sewing Equipment Measurements – Importance, * Preparation for measuring*. Sewing machine-parts and Function, Trouble shooting. Tools for clothing construction – Cutting tools, measuring tools, marking tools, general tools, pressing tools.	9
II	Seams and Seam Finishes Facing, And Hems *Seams – Definition* and its types. Seam Finishes- Definition and its types. Hems – definition and its types. Facings - Bias Facings, Shaped Facing and Decorative Facing. Binding - Single bias Binding, Double bias binding.	9
III	Fullness Pockets and fastness Fullness-Definition, Types - Darts, Tucks Pleats, Flares and Godets, Gathers Frills and Ruffles. Pockets-Types - * Patch pocket *, Bound pocket, Pocket in a Seam, Front hip pocket.	9
IV	Sleeves and Its Types Sleeves-Definition, Types -Plain Sleeve, *Puff Sleeve and its variations*, Bishop Sleeve, Modified armhole- Squares Armhole, Cap Sleeve and Magyar Sleeve. Sleeve and Bodice combined- Raglan Sleeve, Kimono Sleeve. Collars -Definition, Types - Peter pan, Scalloped, Sailor, Full Shirt Collar	9
V	Yoke, Plackets and Closures Yokes – Definition, Types – Yoke with fullness, Yoke without Fullness, Yoke supporting/Releasing Fullness. Plackets - Definition, * Characteristics of good placket *, Types - Inconspicuous Plackets and Conspicuous Plackets. Closures– Definition, types - button and button hole and press buttons, hooks, eyes, zipper, eyelets and cord.	9
VI	Current Trends (For CIA only)- Collect information about parts and functions of industrial sewing machine	

..... Self Study

Text Book(s):
<ol style="list-style-type: none"> Mary Mathews, “Practical Clothing Construction-Part I & II”, Cosmic Press, Chennai, 1974 Chris Jeffrey, “The complete book of sewing”, Dorling Kindersley, 2006 Betsy Hose good , “The complete Book of Sewing”, Dorling Kindersley limited, London, 2006
Reference Book(s):
<ol style="list-style-type: none"> Shaeffer Claire, “Sewing for the apparel industry”, Prentice hall, new jersey, 2001 Debbie Ann Gioello, “Fashion Production Terms”, Fair Child Publications, New York, 1979 Swathi Bhargava, “Clothing and Textiles”, Shree Nawas Publications, Jaipur, 2010
Web Resource(s):
<ol style="list-style-type: none"> https://study.com/learn/lesson/clothing-construction-process-terms.html https://www.masterclass.com/articles/7-different-types-of-seams-and-how-to-use-them-in-garments https://sewguide.com/how-to-sew-seams/

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the basic sewing equipment's and safety techniques	K1
CO2	Understand the different types of seams and seam finishes	K2
CO3	Apply the different types of fullness	K3
CO4	Analyze the differentiations in sleeves	K4
CO5	Evaluate the different types of fastener's in garment	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of CO5
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	1	3	1	3	3	1	3	3	2.4
CO2	3	3	1	2	1	3	3	1	3	3	2.3
CO3	3	3	1	3	1	3	3	1	3	3	2.4
CO4	3	3	1	2	1	3	3	1	3	3	2.3
CO5	3	3	1	2	1	3	3	1	3	3	2.3
Mean Overall score											2.3
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: T.Nisaanthi

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UFT2CC4P	Core – IV	5	5	20	80	100
Course Title		Basic Garment Construction – Practical					

SYLLABUS			
Unit	Contents		Hours
I	Seams Plain seam <ul style="list-style-type: none"> • Top stitched seam • Flat fell seam • Welt seam • Lapped seam • Piped seam Hems <ul style="list-style-type: none"> • Narrow • Mitterd • Blind hem 	Seam Finishes <ul style="list-style-type: none"> • Doubled stitched finish • Piped finish • Edge finished seam • Overcast finish • Bound seam finish • Pinked finish 	15
II	Fullness <ul style="list-style-type: none"> • Darts • Tucks • Pleats • Godets • Ruffles • Frills 		15
III	Plackets <ul style="list-style-type: none"> • Zipper placket • Continuous placket • Tailored placket 	Facings <ul style="list-style-type: none"> • Bias facing • Shaped facing 	15
IV	Pockets <ul style="list-style-type: none"> • Patch pocket • Side seam pocket • Bound pocket 	Collars <ul style="list-style-type: none"> • Peter pan collar • Mandrian collar • Convertable collar 	15
V	Sleeves <ul style="list-style-type: none"> • Plain sleeve • Puff sleeve • Raglan sleeve 	Fasteners <ul style="list-style-type: none"> • Zippers • Buttons • Hooks and eyes 	15

Text Book(s):

1. Mary Mathews, “Practical Clothing Construction-Part I & II”, Cosmic Press, Chennai, 1974.
2. “Zarapkar System of Cutting [Paperback]”, Navneet Education Team, Publishing 2017.
3. Betsy Hosegood, “The complete Book of Sewing”, (2006), Dorling Kindersley limited, London.

Reference Book(s):

1. Dorothy Wood, “The practical Encyclopedia of Sewing”, Anness Publishing, 2007
2. Debbie Ann Gioello, “Fashion Production Terms”, Fair Child Publications, New York, 1979
3. Draping and Pattern Making for Fashion Design, Kamal Khurand, Sonali Publications, New Delhi, 2012.

Web Resource(s):

1. <https://www.masterclass.com/articles/7-different-types-of-seams-and-how-to-use-them-in-garments>
2. <https://sewguide.com/how-to-sew-seams/>
3. https://www.brainkart.com/article/Plackets-and-Fasteners_35632/

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the seams, seam finishes, and hem	K1
CO2	Understanding the fullness in different samples	K2
CO3	Apply the fasteners for different garments	K3
CO4	Analyze the samples for pockets and Collars	K4
CO5	Evaluate the sample for yokes and sleeves	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	1	3	1	3	2	1	1	3	2.1
CO2	3	3	1	3	1	3	2	1	1	3	2.1
CO3	3	3	1	3	1	3	2	1	1	3	2.1
CO4	3	3	1	3	1	3	2	1	1	3	2.1
CO5	3	3	1	3	1	3	2	1	1	3	2.1
Mean Overall Score											2.1
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Merlin Sharmi.G

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UFT2AC3	Allied – III	4	3	25	75	100
Course Title		Fabric Structure and Design					

SYLLABUS		
Unit	Contents	Hours
I	Weaving Definition- *classifications*, basic loom mechanism, Motions of loom- Primary and Secondary motions, Auxiliary motion, parts and functions of basic loom.	12
II	Woven Design Fundamentals Definition *Classification of Woven structures* Methods of weave Representation, Weave repeat, Basic elements of a woven design- Design, Draft and Peg plan, Types of draft plans.	12
III	Simple Weaves Plain, Modification of plain Weave-Rib and its classification, Twill and its classification, Satin and Sateen. * End uses of the above weaves*.	12
IV	Complex Weaves Honey Comb - ordinary, brighten Weaves – Huck a Back, Crepe and Mock Leno. *End uses of the above weaves*	12
V	Figured Weaves Extra warp and extra weft figuring – single and double colours, Difference between extra warp and extra weft figuring. Double cloth – formation of Double cloth- self-stitched – face to back, back to face, both, Centre stitched – warp and weft, Interchanging double cloth. *End uses of the above weaves*.	12

..... Self Study

Text Book(s):
1. Gokarneshan, “Fabric Structure and Design”, New Age International (P) Ltd, Publishers, New Delhi, First Edition, 2004. 2. Navneet kaur, “Comdex Fashion Design”, Kogent Learning solution Inc, Dream tech Press, Vol 1, 2010. 3. Mahadevan, “Textiles Spinning, Weaving and Designing”, Abhishek Publications, Chandigarh, 1 st Edition, 2005
Reference Book(s):
1. John Read, “Elementary Textile Design and Fabric Structure”, Longmans, Green & Company, 2009. 2. Murphy, “Textile Weaving and Design”, Abhishek Publications, Chandigarh, 1 st Indian Edition, 2007. 3. Hayavadana, “Woven Fabric Structure Design and Product Planning”, Woodhead Publishing India in Textiles, 2015
Web Resource(s):
1. https://www.studocu.com/in/document/bharathiar-university/interior-design/fabric-structure-and-design/29533779 2. https://textilestudycenter.com/colio/fabric-structure-and-design/ 3. https://textilestudycenter.blogspot.com/2017/09/fabric-structure-and-design-free.html

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember about weaving and loom mechanism	K1
CO2	Understand the difference of Weave Representation	K2
CO3	Apply the design of different weave structures	K3
CO4	Analyze the towelling weave draft design	K4
CO5	Evaluate the new fabric structure using figuring techniques	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	1	2	2	1	3	3	1	2	2	2.0
CO2	3	1	2	2	1	3	3	1	2	3	2.1
CO3	3	2	2	2	1	2	3	1	2	2	2.0
CO4	3	2	2	2	1	2	3	1	1	2	1.9
CO5	3	2	2	2	1	2	3	1	1	3	2.1
Mean Overall Score											2.0
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: S.Mythili

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UFT2AC4P	Allied – IV	4	3	20	80	100
Course Title		Fabric Structure and Design - Practical					

SYLLABUS

Unit	Contents	Hours
I	Weave the following design, make a suitable draft and peg plan Simple Weaves	4
	1. Plain Weave	4
	2. Twill Weave	4
	3. Satin Weave	
II	Weave the following design, make a suitable draft and peg plan Towelling Weaves	4
	4. Honey Comb Weave	4
	5. Huck -a -Back Weave	
III	Identify the following design, make a suitable draft and peg plan Complex Weaves	5
	6. Jacquard Weave	5
	7. Dobby Weave	5
	8. Pile Weave	
IV	Identify the following design, make a suitable draft and peg plan Figured Weaves	5
	9. Extra Warp Figuring	5
	10. Extra Weft Figuring	
V	Identify the following structure and find course length Knitted Structures	5
	11. Single Jersey	5
	12. Rib	5
	13. Interlock	5

Text Book(s):

1. Gokarneshan, "Fabric Structure and Design", New Age International (P) Ltd, Publishers, New Delhi, 1st Edition, 2004.
2. Navneet kaur, "Comdex Fashion Design", Kogent Learning solution Inc, Dream tech Press, New Delhi, Vol 1, 2010.
3. Mahadevan, "Textiles Spinning, Weaving and Designing", Abhishek Publications Chandigarh, 1st Edition, 2005

Reference Book(s):

1. John Read, "Elementary Textile Design and Fabric Structure", Longmans, Green & Company, 2009.
2. Murphy, "Textile Weaving and Design", Abhishek Publications, Chandigarh, 1st Indian Edition, 2007.
3. Hayavadana, "Woven Fabric Structure Design and Product Planning", Woodhead Publishing, New Delhi, 2015

Web Resource(s):

1. <https://blog.guilfordofmaine.com/dobby-vs-jacquard-a-tale-of-two-looms/>
2. <https://www.fibre2fashion.com/industry-article/8087/weft-knitted-fabrics-and-derivatives>
3. <https://www.fibre2fashion.com/industry-article/3343/different-types-of-weaves>

Course Outcomes

Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remembering the weave design using the draft plan.	K1
CO2	Understand the weave structure	K2
CO3	Apply the peg plan and draft for different structure.	K3
CO4	Analyze the weave pattern for figured cloths.	K4
CO5	Evaluate the course length using different knit structures.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	1	2	1	2	3	1	2	2	1.9
CO2	3	2	1	2	1	2	3	1	2	2	1.9
CO3	3	2	1	2	1	2	3	1	2	2	1.9
CO4	3	2	1	2	1	2	3	1	2	2	1.9
CO5	3	2	1	2	1	2	3	1	2	2	1.9
Mean Overall Score											1.9
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: S. Mythili

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
II	23UCN2SS	Soft Skills Development	2	2	-	100	100
Course Title		Soft Skills Development					

SYLLABUS		
Unit	Contents	Hours
I	Communication Skills: Verbal and Non - Verbal communication - The active vocabulary - Conversational Etiquette - KOPPACT syndrome	6
II	Emotional Skills: Emotional Intelligence - The five steps to Emotional Quotient - Self Awareness and Regulation - Empathy - Social Intelligence - stress management - coping with failures	6
III	Functional Skills: Using the tools of communicatory and emotional skills - Resume writing - Preparation of Curriculum Vitae - interview skills - Acing the interview - Group dynamics - Mock interviews and Group discussions	6
IV	Interpersonal Skills: Synergising relationships - SWOT analysis - SOAR analysis - The social skills - Time Management - Decision making - problem solving - prioritising and Implementation	6
V	Personality Skills: Leadership skills - Attributes and Attitudes - Social leader Vs The Boss - critical and creative thinking	6

Hours of Teaching : 5 hours and Hours of Activity: 25 hours

Textbook(s):
<ol style="list-style-type: none"> 1. Social intelligence: The new science of human relationships - Daniel Goleman; 2006. 2. Body Language in the workplace - Allan and Barbara Pease; 2011. 3. Student's Hand Book: Skill Genie - Higher education department, Government of Andhra Pradesh.
Web References:
<ol style="list-style-type: none"> 1. https://nptel.ac.in/courses/109105110

EVALUATION CRITERIA

Work Book (Each unit carries 10 marks) - 50 Marks

Examination - 50 Marks

1. Teacher who handles the subject will award 50 marks for work book based on the performance of the student.
2. On the day of examination the examiners (Internal & External) will jointly award the marks for the following categories:
 - Self-Introduction - 20 Marks
 - Resume - 10 Marks
 - Mock Interview - 20 Marks

To assess the self-introduction, Examiners are advised to watch the video presentation submitted by the students. If they failed to submit the video presentation, the Examiners may direct the student to introduce himself orally and a maximum 10 marks only will be awarded.

Mock Interview Marks Distribution

(20-Marks)

Attitude (self interest, confidence etc.) (4 Marks)	Physical appearance including dress code (4 Marks)	Communication Skills (6 Marks)	Answering questions asked from the resume and work book (6 Marks)
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**Course Coordinator:
Dr. M. Syed Ali Padusha**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UFT3CC5	Core - V	3	3	25	75	100
Course Title Garment Manufacturing Technology							

SYLLABUS		
Unit	Contents	Hours
I	Introduction Garment Manufacturing Unit – Organization Structure, Workflow-Line Balancing Productivity-Shirt.Designers role– process involved in designing a design sheet – analysis and * evaluation of counter sample *.	9
II	Spreading and Cutting Methods Spreading – Definition,Types - Hand and Machine Spreading. Marking – Methods of marking, Requirements of Marker Planning.Cutting Technology - Definition, steps in preparing Fabric for Cutting, Layout and its types, Equipments – Straight Knife, *Band Knife, Round Knife*, Computer Controlled Cutting Machine.	9
III	Sewing Machineries Sewing Machineries-Classification of Sewing Machines, Parts and Functions of Single Needle Lock Stitch Machine, Over Lock Machine, Bar Taking Machine, Button Hole Machine, Button Fixing Machine, Feed-of the-Arm Machine, Blind Stitching Machine, Fabric Examining Machine,*Care and Maintenance*.	9
IV	Stitching Mechanisms Stitching Mechanisms- Needle, Bobbin and Bobbin Case, Bobbin Winding, Loops and Loop Spreader, Threading Finger, Upper and Lower Threading, Auxiliary Hooks, Tension Disc-Upper and Lower Thread Tension, * Stitching Auxiliaries - Pressure Foot and its Types *.	9
V	Garment Finishing Techniques Pressing – equipments, packing. Fusing – Definition, Methods of fusing. Stitch classifications,*Care- labelling*	9
VI	Current Trends *(For CIA only) – Garment Grading Techniques and ethics	

*..... * Self Study

Text Book(s):
1. David J.Tyler, “The Technology of Clothing Manufacture”, Black well Publishing, Australia, 4 th Edition, 2008.
2.Gerry cooklin, “Garment Technology for Fashion Designers”, Black well Publishing,Australia,1 st Edition,2008
3. Sushma Gupta, Neeru Garg & Renu Saini, “Text Book of Clothing Textile and Laundry” Kalyani Publication,New Delhi, 5 th Edition, 2005.
Reference Book(s):
1. <u>ChrisJeffrey’s</u> & Betsy Hosegood , “The Complete Book of Sewing” Dorling Kindersley Limited, London, 1 st Edition, 2006.
2. Sandeep Roy, “Fashion Designing in Textile Technology, Random Publication, New Delhi, 1 st Edition, 2019.
3. Mary Mathews, “Practical construction-Part I& II”, Cosmic Press, Chennai, 1 st Edition ,1974.

Web Resource(s):

1. <https://textilelearner.net/structure-of-the-clothing-industry/>
2. <https://cosmatechnology.com/news/the-spreading-and-cutting-department-in-garment-industry-48>
3. <https://www.zelect.in/sewing-machine/types-of-sewing-machines-in-india>

Course Outcomes

Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the Special attachments in Sewing machines	K1
CO2	Understand the Spreading, and Cutting techniques	K2
CO3	Understand the of garment manufacturing unit	K2
CO4	Apply the Knowledge about stitch Mechanism	K3
CO5	Analyze Garment Finishing and Fusing	K4

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	3	3	1	3	3	1	3	3	2.6
CO2	3	3	3	3	1	3	3	1	3	3	2.6
CO3	2	2	2	3	1	3	3	1	3	3	2.3
CO4	3	3	3	3	1	3	3	1	3	3	2.6
CO5	1	1	1	3	1	3	3	1	3	3	2.0
Mean Overall Score											2.4
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: R. Jeevitha

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UFT3CC6P	Core - VI	4	4	20	80	100
Course Title		Fashion Draping – Practical					

SYLLABUS

Unit	Contents	Hours
I	Introduction to Draping 1. Introduction to Draping Techniques. 2. Identification of Seam Lines.	12
II	Basic Bodice Development 3. Drape a Basic Bodice Front and Back-Women/Men/Children. 4. Drape a Basic Skirt/ Pant -Women/Men /Children.	12
III	Drape Garment Components 5. Sleeves Variations-Children/Women. 6. Collar/ Neckline variations-Men/Women.	12
IV	Manipulating Techniques 7. Dart Manipulating- Pivot / Slash and Spread method. 8. Drape the Off shoulder with Princess Shapers.	12
V	Designer Garment 9. Drape a Full Garment.	12

Text Book(s):

1. Kamal Khurana, "Draping and Pattern Making for Fashion Design", Sonali Publication, New Delhi, 1st Edition, 2012.
2. Kathryn McCelvey, Janine Munslow, "Illustrating Fashion", Wiley, 1st Edition, 2009.
3. Bina Ablang, "Advanced Fashion Sketchbook", Om books International, New Delhi, 1st Edition, 2005.

Reference Book(s):

1. Dawn Cloake, "Cutting and Draping Party and Eveningwear", Batsford, 1st Edition, 2016.
2. Karolyn Kiisel, "Draping The Complete Course", Laurence King Publishing, 1st Edition, 2013.
3. Connie Amaden-Crawford, "The Art of Fashion Draping", Bloomsbury Academic, 1st Edition, 2018.

Web Resource(s):

1. <https://www.moodfabrics.com/blog/intro-to-draping-dress-form-muslin-basics/#:~:text=What>
2. <https://www.linkedin.com/pulse/advanced-pattern-making-techniques-draping-drafting-grading-ayoub>
3. <http://wwinslf.blogspot.com/2015/05/six-basic-steps-of-draping.html>

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember various garment designs using draping method.	K1
CO2	Understand and identify the basic draping.	K2
CO3	Apply the Different techniques for draping.	K3
CO4	Analyze the manipulating techniques.	K4
CO5	Evaluate design and idea for draping.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	2	2	2	2	2	1	2	2	1	2	1.8
CO2	3	3	3	1	2	2	3	3	2	2	2.4
CO3	2	2	2	1	1	2	2	2	2	1	1.7
CO4	1	3	2	2	1	2	1	1	1	2	1.6
CO5	3	2	1	1	2	2	2	2	2	1	1.8
Mean Overall Score											1.8
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: **B.Jabeen**

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UFT3AC5	Allied - V	4	4	25	75	100
Course Title		Wet Processing					

SYLLABUS

Unit	Contents	Hours
I	Preparatory Process in Wet processing Introduction to wet processing, *Need for processing*. Preparatory processes: singeing, desizing, scouring, bleaching and mercerization, Silk - Degumming, Wool- Carbonization.	12
II	Dyes and Dyeing Methods Definition – colorants, Classification of Dyes. Methods of Dyeing –batch dyeing, combination dyeing and package dyeing. Dyeing - Winch, Jig dyeing, pad dyeing, garment dyeing. Dyes- natural dyes, basic dye, Azoic dye, reactive dye, disperse dye, sulphur dye, vat dye. *Difference between Natural dyes and synthetic dyes*.	12
III	Printing Techniques Definition – Printing, Styles of printing– Direct printing, discharge printing, resist printing. Printing methods - Block printing, Roller printing, screen printing, Rotary printing, Sublimation Printing. *Comparison between dyeing and printing*.	12
IV	Finishing Finishing - Definition, objectives, importance, classifications. Preparatory finishes- Calendaring, stentering, decanting, delusturing. Aesthetic finishes- glazing, embossing, abrasive washes. Functional finishes –light stabilizing finishes, durable press finish, anti-static finishes, *Flame retardant*.	12
V	Eco Friendly Processing Introduction to Eco Friendly Processing, Enzymes – meaning, *Enzymes used in textile industry*. Enzymatic process – Desizing, scouring, bleaching, bio polishing, degumming.	12
VI	Current trends (For CIA only)- Introduction to Nano dyeing technology.	

*.... * Self Study

Text Book(s):
<ol style="list-style-type: none"> Arara, “Text Books of Dyes”, Sonali Publication, New Delhi, 1st Edition, 2009. Gupta, “The Complete Technology Book on Textile Processing with Effluents Treatments”, Asia Pacific Business Press Inc., Delhi, 2nd Edition, 2004. Vigneswaran, “Bioprocessing of Textiles”, Wood head Publishing India Pvt Ltd, New Delhi, 1st Edition, 2014.
Reference Book(s):
<ol style="list-style-type: none"> Gupta, “The Complete Technology Book on Textile Spinning, Weaving, Finishing & Printing”, Asia Pacific Business Press Inc., Delhi, 1st Edition, 2003. Kanwar Varinder Pal Singh, “Elementary Idea of Textile Dyeing, Printing & Finishing”, Kalyani Publishers, 1st Edition, 2004. Seema Kapoor, “Textile Finishing”, Sonali Publication, New Delhi, 1st Edition, 2016

Web Resource(s):

1. <https://www.textileschool.com/343/fabric-wet-processing-techniques/>
2. <https://www.fibre2fashion.com/industry-article/1668/modern-textile-preparatory-processes-using-enzymes>
3. <https://textilelearner.net/textile-printing-methods/>

Course Outcomes

Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the basic process in wet processing	K1
CO2	Understand dyes and dyeing methods	K2
CO3	Understand Problems faced by textile wet processing industries	K2
CO4	Analyze the printing techniques	K4
CO5	Evaluate the functional and special finishes	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	1	2	1	3	3	1	1	1	1.8
CO2	3	3	2	2	1	2	2	2	2	2	2.3
CO3	2	2	3	3	1	1	2	2	2	1	1.9
CO4	1	2	2	2	2	1	2	3	2	1	1.8
CO5	2	2	2	2	1	1	2	2	2	2	1.8
Mean Overall Score											1.9
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: S. Mythili

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UFT3AC6P	Allied -VI	3	2	20	80	100
Course Title		Wet Processing – Practical					

SYLLABUS		
Unit	Contents	Hours
I	Preparatory process of fabrics 1. Desizing 2. Scouring 3. Bleaching	9
II	Dyeing of Cellulosic Fibre Fabrics 4. Direct dye 5. Reactive dye – Hot Brand / Cold Brand	9
III	Dyeing of Protein Fibre Fabrics 6. Acid dye/ Basic dye	9
IV	Dyeing of Polymer Fabrics 7. Disperse dye	9
V	Styles of Printing 8. Tie and Dye using Natural dyes 9. Screen 10. Block	9

Text Book(s):
1. Shenai V.A, “Technology of Textile Processing, Chemistry for Dyes and Principles of Dyeing”, A Sevak Publication, 1 st Edition, Bombay, 1993. 2.Palsingh.K.V, “Elementary Idea of Textile dyeing, printing and finishing”, Kalyani Publishers, 1 st Edition,2009. 3.Kadolph S.J, “Textiles”, Dorling Kindersley (India) Pvt. Ltd.,10 th Edition, 2006.
Reference Book(s):
1. CorbmanB. P, “Textile fiber to fabric, International students, Mc Grow Hill co, Singapore,3 rd Edition,1985. 2. Smith J E, “Textile Processing – Printing, Dyeing”, Abhishek Publishing, New Delhi,1 st edition, 2003. 3. Murphy W.S, “Textile Finishing”, Abhishek Publication, New Delhi, 1 st edition, 2000.
Web Resource(s):
1. https://www.textilepad.com/2021/08/dyeing-of-cotton-with-direct-dye.html 2. https://textilelearner.net/dyeing-of-cotton-fabric-with-reactive-dyes/ 3. https://www.britannica.com/technology/batik

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the different types of Preparatory process	K1
CO2	Understand the types of fabric dyeing for cellulosic fibres	K2
CO3	Apply the different dyeing methods for protein fibres	K3
CO4	Apply the different dyeing methods for polymers	K3
CO5	Analyze the different styles of printing	K4

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	3	3	1	3	2	1	2	3	2.4
CO2	3	3	3	3	1	3	2	1	2	3	2.4
CO3	3	3	3	3	1	3	2	1	2	3	2.4
CO4	3	3	3	3	1	3	2	1	2	3	2.4
CO5	3	3	3	3	1	3	2	1	2	3	2.4
Mean Overall Score											2.4
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: G. Merlin Sharmi

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UFT3GE1P	Generic Elective - I	2	2	-	100	100
Course Title		Hand Embroidery – Practical					

SYLLABUS		
Unit	Contents	Hours
I	Prepare the following embroidery samples 1. Basic Hand Stitches 2. Running 3. Back Stitch 4. Hemming	2
II	Basic Embroidery Stitches 5. Chain stitch 6. Stem Stitch 7. Blanket (or) Button Hole Stitch	7
III	Advanced Embroidery Stitches 8. Feather 9. Herring bone 10. Lazy Daisy Stitch	7
IV	Filling and Knot Stitches 11. Satin-Long and Short 12. French Knot 13. Bullion Knot	7
V	Surface Embroidery 14. Bead Work 15. Sequence Work 16. Mirror Work	7

Text Book(s):
1. Shailaja D Naik, “Traditional Embroideries of India”, APH Publishing, New Delhi, 2 nd Edition, 1996 2. Megan Eckman, “Everyday Embroidery for Modern Stitches”, C&T Publishing, USA, 1 st Edition, 2020 3. Libby Moore, “Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations”, Paige Tate & Co Publishers, 1 st Edition, 2019
Reference Book(s):
1. Mary Gostelow, “Coats book of Embroidery”, David and Charles Publishers, London, 2 nd Edition, 1978 2. Anjali Karolia, “Traditional Indian Handcrafted textiles: history, Techniques, Processes, Design”, Niyogi Books Publications, New Delhi, 1 st Edition, 2019 3. Dr Parul Bhatnagar, “Traditional Indian Costumes and Textiles”, Abhishak Publications, Chandigarh, India, 1 st Edition, 2004

Web Resource(s):
1. https://www.youtube.com/watch?v=nJz9c8gEvFg
2. https://www.youtube.com/watch?v=Ug2d1NUuE4A
3. https://www.youtube.com/watch?v=nJz9c8gEvF

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Understand ability of designing embroidery for different stitches.	K2
CO2	Apply the different hand stitches.	K3
CO3	Apply stitches and their applications.	K3
CO4	Analyze the knowledge of appropriate designs on fabric surfaces.	K4
CO5	Evaluate the techniques to create different stitch variations.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	1	3	1	3	3	3	3	3	2.6
CO2	3	3	3	2	1	3	3	1	1	1	2.1
CO3	3	3	3	2	1	3	3	1	1	1	2.1
CO4	3	3	3	2	1	3	3	1	1	1	2.1
CO5	3	3	3	2	1	3	3	1	1	1	2.1
Mean Overall Score											2.2
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: A. R. Nilofar Sulthana

Semester	Course Code	Course Category	Hours / Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
III	23UCN3AE2	AECC - II	2	2	-	100	100
Course Title		Environmental Studies					

Unit	Contents	Hours
I	The multidisciplinary nature of environmental studies Definition, scope, importance, awareness and its consequences on the planet.	6
II	Ecosystems: Definition, structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	6
III	Natural Resources: Renewable and Non-renewable Resources: Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies. renewable energy resources significance of wind, solar, hydal, tidal, waves, ocean thermal energy and geothermal energy.	6
IV	Biodiversity and Conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns biodiversity hot spots. mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: <i>In situ</i> and <i>Ex situ</i> conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.	6
V	Environmental Pollution & Conservation: Environmental pollution: types, causes, effects and controls; Air, water, soil, chemical and noise pollution Waste to wealth - Energy from waste, value added products from waste, fly ash utilization and disposal of garbage, solid waste management in urban and rural areas, Swachh Bharat Abhiyan, recent advances in solid waste management, modern techniques in rain water harvesting and utilization.	6

Text books:

1. Asthana DK and Meera A, Environmental studies, 2nd Edition, Chand and Company Pvt Ltd, New Delhi, India, 2012.
2. Arumugam N and Kumaresan V, Environmental studies, 4th Edition, Saras Publication, Nagercoil, Tamil Nadu, India, 2014.

Activity – I:

1. Assignments – Titles on Environmental awareness to be identified by teachers from the following (scripts not less than 20 pages)
2. Elocution – (Speech on “Environment beauty is the fundamental duty” of citizen of the country for 3 to 5 minutes)
3. Environment issues – TV, Newspaper, Radio and Medias messages – Discussion π Case Studies/Field Visit/Highlighting Day today environmental issues seen or heard
4. Debating/Report Submission – Regarding environment issues in the study period Activity II
5. Environmental awareness through charts, displays, models and video documentation.

Celebrating Nationally Important Environmental DaysNational Science Day – 28th FebruaryWorld wild life Day – 3rd MarchInternational forest Day – 21st MarchWorld Water Day – 22nd MarchWorld Meteorological Day – 23rd MarchWorld Health Day – 7th AprilWorld Heritage Day – 18th AprilEarth / Planet Day – 22nd AprilPlants Day – 26th MayEnvironment Day – 5th June Activity III Discipline specific activities**EVALUATION COMPONENT:**

Component I: (25 Marks) Document (or) Poster presentation or Elocution

Component II: (25 Marks) Album making (or) case study on a topic (or) field visit

Component III: (25 Marks) Essay writing (or) Assignment submission

Component IV: (25 Marks) Quiz (or) multiple choice question test

Course Outcomes**Course Outcomes:** Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-level)
CO1	To understand the multi-disciplinary nature of environmental studies and its importance	K1
CO2	To obtain knowledge on different types of ecosystem	K2
CO3	To acquire knowledge on Renewable and non-renewable resources, energy conservation	K3
CO4	To understand biodiversity conservation	K4
CO5	To analysis impact of pollution and conversion waste to products	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	02	02	02	02	02	03	03	03	03	03	2.5
CO2	02	03	03	02	03	03	03	03	03	03	2.8
CO3	02	03	03	03	03	03	03	03	03	03	2.9
CO4	02	02	03	03	03	03	03	03	03	03	2.8
CO5	02	03	03	03	03	03	03	02	03	03	2.8
Mean Overall Score											2.7
Correlation											High

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Dr. B. Balaguru

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UFT4CC7	Core – VII	3	3	25	75	100
Course Title		Heritage of Textiles and Costumes					

SYLLABUS		
Unit	Contents	Hours
I	Introduction to Indian Costumes Indian costume - Introduction, Origin of Costumes – Indo Aryans - Vedic Ages, Mauryan and Sunga period, *Satavahana period, Kushan period * Mughal period. Ancient Indian jewellers- Temple jewellery of South India and Tribal Jewellery.	9
II	Traditional Costumes of India Introduction to traditional Indian costumes - North Zone Costumes - Costumes of Punjab, Himachal Pradesh, Uttar Pradesh, Rajasthan, Jammu and Kashmir. East Zone Costumes - Assam, West Bengal, Bihar. West Zone Costumes - Madhya Pradesh, Gujarat, Maharashtra. South Zone Costumes- Kerala, Karnataka, Tamil Nadu. * Contemporary knowledge using traditional design*.	9
III	Embroideries of India Kasida of Kashmir, Kanthas of Bengal, Chambarummal of Himachal Pradesh, *Chickenkari of Uttar Pradesh*, Pulkhari of Punjab, Kasuthi of Karnataka, Kutch or Sindhi of Gujarat, Shamilami of Manipuri Embroidery, Toda embroidery of Tamil Nadu.	9
IV	Traditional Woven Textiles Introduction to woven textiles of India – Uttar Pradesh- Banaras, Tancoi, *Gujarat- Patola, Bengal- Baluchari and Jamdani*, Kashmir-Shawl and Kani shawl, Maharashtra- PaithaniPithambar, MadhyaPradesh- Chanderi and Maheswari Saree, Tamilnadu- Kanchipuram, Chinnalapatti, Madurai Sungudi, Andhrapradesh- Pochampali, Venkatagiri .	9
V	Traditional Printed and Dyed Textiles Printed textiles – Kalamkari, Block printing, Roghan printing, Daboo. Painted textiles - Mata-mi-Pachedi, Pabuji-ka-Pad. Dyed textiles – Ikat, Patola, * Bandhani, Laharia, Mashru *.	9
VI	Current Trends (For CIA only) –*Geographical Indication*.	

** Self Study

Text Book(s):
1. Dr.ParulBhatnagar, “Traditional Indian costumes and Textiles”, Abhishak Publications, Chandigarh, India, 1 st Edition, 2004. 2. ManmeetSodhia, “History of Fashion”, Kalyani Publishers, New Delhi, 1 st Edition, 2004. 3. “Heritage of Textiles and Costumes” – Study Material prepared by the Department.
Reference Book(s):
1. Govind Sadashiv Ghurye , “Indian Costume”, Popular Prakashan Publication, 1 st Edition, 1966. 2. Ritu Kumar, “Costumes and Textiles of Royal India Antique Collectors”, Club publication , 2 nd Edition, 2006. 3. Arabinda Biswas, “Indian Costumes”, Ministry of Information and Broadcasting Publication Division, 1 st Edition, 1985.

Web Resource(s):

1. <https://textilevaluechain.in/in-depth-analysis/articles/traditional-textiles/history-of-indian-costumes/>
2. <https://jewelsofsayuri.com/2010/02/list-of-ancient-indian-jewellery.html>
3. <https://www.utsavpedia.com/motifs-embroideries/daboo-print/>

Course Outcomes

Upon successful completion of this course, the student will be able to:

CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the types of printed, painted and dyed textiles.	K1
CO2	Analyze the different state wise costumes.	K2
CO3	Apply the knowledge about ancient costumes and jewels.	K3
CO4	Understand the concepts related to traditional embroidery.	K4
CO5	Understand the traditional designs for woven textiles.	K4

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	3	1	1	3	1	1	1	1	1.8
CO2	3	3	1	2	1	2	2	2	1	2	1.9
CO3	3	1	1	1	1	2	2	2	1	2	1.6
CO4	3	3	1	1	1	3	1	1	2	2	1.8
CO5	2	2	1	1	1	2	3	1	1	2	1.6
Mean Overall Score											1.7
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: R.Jeevitha

Semester	Course Code	Course Category	Hours/Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UFT4CC8P	Core – VIII	5	5	20	80	100
Course Title		Garment construction for children's Wear – Practical					

SYLLABUS		
Unit	Contents	Hours
	General Instructions: <ul style="list-style-type: none"> ➤ Develop a Basic Pattern ➤ Modify according to the Design and measurements ➤ Design and Construct the following Garments 	
I	1. Baby Bed/Laytee 2. Infant wears- Bib, Panty / cloth diaper and Jabla.	15
II	3. Summer frock - with Suspenders at Shoulder Line, Without Sleeve. 4. Yoke frock- Puff Sleeve, Gathered Skirt	15
III	5. Skirt- Four gore/ pleated/ umbrella	15
IV	6. Knickers - Elastic Waist.	15
V	7. Slack Shirt-Open Collar, Pocket and Without Yoke.	15

Text Book(s):
1. Zarapker, "Zarapker System of Cutting", K.R. Navneet publication Ltd, Mumbai, Reprinted, 2012. 2. Mary Mathews, "Practical Clothing Construction-Part I&II, Cosmic Press", Reprintd, Chennai, 1974. 3. Gerry cooklin, "Pattern grading for Men's cloth", Wiley India Pvt Ltd, 1 st Edition, 1992.
Reference Book(s):
1. DetsyHosegood, "The Complete Book of Sewing", Dorling Kindersley Limited, London, 2 nd Edition 2006. 2. Dorothy wood, "The Practical Encyclopedia of Sewing", Anness publishing, 1 st Edition, 2007. 3. Swathi Bhargava, "Clothing and Textiles", Niwas publications, Jaipur, 1 st Edition 2010.
Web Resource(s):
1. https://www.infobooks.org/pdfview/4750-exploring-the-relevance-of-manual-pattern-cutting-skills-in-a-technological-environment-catherine-pritchard/ 2. https://www.infobooks.org/pdfview/4746-practical-sewing-and-dressmaking-sara-may-allington/ 3. https://www.infobooks.org/pdfview/4747-learn-to-design-your-own-clothes-judith-christensen/

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Understand the various components as per the designs.	K2
CO2	Apply the various measurements in pattern making.	K3
CO3	Analyze the use various tools and equipments as per requirements	K4
CO4	Analyze the pattern for required designs.	K4
CO5	Create the garment as per the required measurements.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of CO5
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	2	3	1	3	3	2	3	1	2.4
CO2	3	3	2	3	1	3	3	2	3	1	2.4
CO3	3	3	2	3	1	3	3	2	3	1	2.4
CO4	3	3	2	3	1	3	3	2	3	1	2.4
CO5	3	3	2	3	1	3	3	2	3	1	2.4
Mean Overall score											2.4
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: C. Manochitra

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UFT4AC7	Allied – VII	4	4	25	75	100
Course Title		Textile Testing					

SYLLABUS

Unit	Contents	Hours
I	Introduction to textile testing Textile Testing-Introduction, Importance and objectives of testing, general rules for textile testing and quality control. Different types of Physical test and their needs. Moisture content, moisture regain and relative humidity.*Standard testing conditions *	12
II	Fiber testing Methods of sampling for fibre testing, *Cotton length and grade*, Cotton fiber length analysis, Cotton fiber fineness and maturity, non – lint content, moisture content.	12
III	Yarn testing *Yarn numbering*, Yarn Strength, Tensile Strength, Analysis of Strength, Yarn grade and appearance, Yarn twist testing, Crimp and hairiness. Yarn evenness.	12
IV	Fabric analysis *Fabric width, Fabric length, Fabric weight *, Fabric thickness, Fabric Strength – Tearing Strength, Bursting Strength and Abrasion Resistance, Crease Recovery, Stiffness and Drapability Test, Pilling Test.	12
V	Garment and Apparel testing Colour Fastness to Sunlight and Washing, Perspiration. Crocking-Wet – Dry, Pressing -Wet – Dry, Dimensional tests to ironing, dry-cleaning. Accessories Tests -Zipper -durability, operational. *Buttons-strength*	12
VI	Current Trends (For CIA only) – Textile testing Standards -AATCC, ASTM, ISO	

** Self Study

Text Book(s):
1. Booth, “Principles of Textile Testing”, CBS Publishers and Distributors, New Delhi, 1 st Edition 1996. 2. Saville, “Physical testing and textile”, Wood head publishing Ltd, England, 1 st Edition 1999. 3. Groover and Hamby, ”Hand book of Textile Testing and Quality Control”, John Wiley and Sons Publishing, New York, 2 nd Edition, 1960.
Reference Book(s):
1. Thackeray, “Textiles Performance Tests and Evaluations”, Brigham Young University Publications, United States, 1974. 2. Dolez, Patricia, “Advanced Characterization and Testing of Textiles”, Woodhead publications, United Kingdom, 2017. 3. Angappan, ”Textile Testing”, S. S. M. Polytechnic College publications, India, 2009.
Web Resource(s):
1. NPTEL :: Textile Engineering - Textile Testing 2. Physical testing of textiles 3. Physical Properties of Textile Fibres Textile Study Center

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Understand textile testing and quality control measures	K2
CO2	Apply knowledge on working of fibre testing instruments	K3
CO3	Analyze the working principles of yarn testing instruments	K4
CO4	Evaluate the procedure to test fabric	K5
CO5	Evaluatetest methods, standards and grades.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	3	2	1	1	3	2	1	1	1.9
CO2	3	3	3	2	1	1	3	2	1	1	2.1
CO3	3	3	3	2	1	1	3	2	1	1	2.1
CO4	3	3	3	2	1	1	3	2	1	1	2.1
CO5	3	3	3	2	1	1	3	2	1	1	2.1
Mean Overall Score											2.1
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Archana V C

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UFT4AC8P	Allied – VIII	4	3	20	80	100
Course Title		Textile Testing – Practical					
SYLLABUS							
Unit	Contents						Hours
I	Identification of Textile Fibers 1. To identify the fibers: Cotton, Silk, Wool, Jute, Polyester, Linen. ➤ Microscopic Test ➤ Burning Test ➤ Chemical Test						15
II	Yarn Test 2. To determine the yarn count using single yarn twist tester. 3. To determine the yarn count using Beasley balance method. 4. To determine the yarn count using wrap reel.						15
III	Fabric Test 5. To determine the yarn count using Quadrant balance. 6. To determine the thickness of a fabric using thickness tester. 7. To determine the Fabric abrasion test using Martindale abrasion tester						15
IV	Colour Fastness Test 8. To determine the rubbing fastness of a dyed fabric using Crock Meter. 9. To determine the colorfastness to washing.						15
V	Fabric Handling Test 10. To determine the crease of a fabric using Crease recovery tester. 11. To determine the stiffness of a fabric using stiffness tester.						15
Text Book(s):							
1. Booth J.E, “Principles of Textile Testing”, CBS Publishers and Distributors Pvt. Ltd, New Delhi, 3 rd Edition, 2018. 2. Elliot B. Grover & D. S. Hamby, “Handbook of Textile Testing and Quality Control”, Wiley India Pvt Ltd, New Delhi, 2 nd Edition, 2011. 3. Dr. Kothari V.K, “Testing and Quality Management”, IAFL Publications, New Delhi, 1 st Edition, 1999.							
Reference Book(s):							
1. Sushma Gupta, Neeru Garg, Renu Saini “Textbook of Clothing Textiles and Laundry”, Kalyani Publishers, New Delhi, 5 th Edition, 2005 2. Saville B. P, “Physical Testing of Textile”, Wood head Publishing Ltd, Cambridge, 2 nd Edition 2002. 3. Sara J. kadolph, “Textile”, Pearson Publication, USA, 12 th Edition, 2016							
Web Resource(s):							
1. https://www.youtube.com/watch?v=jHbBofSXXcg 2. https://www.youtube.com/watch?v=Rj82EPee0VA 3. https://www.youtube.com/watch?v=ICF0twxemqk							

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember the textile fibers.	K1
CO2	Understand the methods of testing.	K2
CO3	Apply the different testing methods for fabrics.	K3
CO4	Analyze the various properties of the fabric.	K4
CO5	Evaluate the different type of testing methods for yarn and fabric.	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	3	1	1	1	3	1	1	1	1.8
CO2	3	3	3	1	1	1	2	1	2	1	1.8
CO3	3	3	2	1	1	1	2	1	2	1	1.7
CO4	1	1	1	1	1	1	2	1	2	1	1.2
CO5	3	3	2	1	1	1	2	1	2	1	1.7
Mean Overall Score											1.6
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: A. R. Nilofar Sulthana

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UFT4GE2P	Generic Elective -II	2	2	-	100	100
Course Title		Art Techniques - Practical					

SYLLABUS		
Unit	Contents	Hours
I	Fabric Paintings-Dry Strokes, Blending and Wet Painting.	6
II	Canvas Painting- Warli Art and Stone Works .	6
III	Pot Painting-Mould and Collage Paintings.	6
IV	Glass and Bottle Painting – Abstract Painting and Foil Work .	6
V	Stencil Painting – Positive and Negative with Sponging and Spraying.	6

Text Book(s):
<ol style="list-style-type: none"> 1. Donna Dewberry, “A beginners Guide to One Stroke Fabric Painting”, Plaid Enterprises Inc. Publications, Georgia,1996. 2. GherardoCibo,” Historical Painting Techniques, Materials, and Studio Practice”, University of Leiden Publications, Netherlands,1995 3. John C VanDyke, “Histories of Painting”, Longman Green and Co Publications, 4thEdition, Newyork,1897.
Reference Book(s):
<ol style="list-style-type: none"> 1. Susan Louise Moyer,”Silk Painting for Fashion and Fine Art”, Watson-Guptill Publications, United States,1995. 2. Alice Mackrell,” Art and Fashion”, Batsford Publications, United Kingdom,2005. 3. Santosh Mali,”The Art of Warli Painting”, Create Space Independent Publishing,California,2014
Web Resource(s):
<ol style="list-style-type: none"> 1. 16. Acrylic Painting Technique author Swaderart.pdf - Google Drive 2. ncert.nic.in/textbook/pdf/kehc109.pdf 3. Bottle Art Bottle Painting Best Out Of Waste Acrylic Painting Easy Painting @VENTUNOART - YouTube

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Understand Different Techniques For Painting	K2
CO2	Analyze Ideas over Various Mediums	K2
CO3	Apply Designs with Knowledge of Medium	K3
CO4	Apply the methods for painting	K3
CO5	Evaluate variety of art techniques	K5

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	3	1	3	1	2	1	2	3	3	2.0
CO2	2	3	1	2	1	2	1	3	3	3	2.1
CO3	3	2	1	2	1	2	1	3	3	3	2.1
CO4	2	3	2	3	1	2	1	3	3	3	2.3
CO5	2	3	1	3	1	2	1	3	3	3	2.2
Mean Overall Score											2.1
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Archana V C

Semester	Course Code	Course Category	Hours/ Week	Credits	Marks for Evaluation		
					CIA	ESE	Total
IV	23UCN4EL	Experiential Learning	-	2	-	100	100
Course Title Internship							

SYLLABUS		
Unit	Contents	Hours
	<p>Instructions:</p> <ul style="list-style-type: none"> • Visit may be to Textile Processing/ Weaving/ Spinning/ Knitting/ Garment Production Unit / Retail store / Boutique. • Duration – 15 days. • Period-From the end of IV semester exam to starting of the V semester classes. • Submission of internship report and marks statement in the prescribed format. • Report will be evaluated by Guide under the Viva-Voce Examination. 	

Course Outcomes		
Upon successful completion of this course, the student will be able to:		
CO No.	CO Statement	Cognitive Level (K-Level)
CO1	Remember various components of textile and apparel unit.	K1
CO2	Understand the production processes for various styles.	K2
CO3	Understand the opportunities in textile and apparel industries	K2
CO4	Analyze the exposure of fashion in textile and apparel industries.	K4
CO5	Analyze management opportunities of apparel industries.	K4

Relationship Matrix:

Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	1	3	1	3	1	2	1	2	3	3	2.0
CO2	2	3	1	2	1	2	1	3	3	3	2.1
CO3	3	2	1	2	1	2	1	3	3	3	2.1
CO4	2	3	2	3	1	2	1	3	3	3	2.3
CO5	2	3	1	3	1	2	1	3	3	3	2.2
Mean Overall Score											2.1
Correlation											Medium

Mean Overall Score	Correlation
< 1.5	Low
≥ 1.5 and < 2.5	Medium
≥ 2.5	High

Course Coordinator: Merlin Sharmi.G